Stat120   Introduction to Statistics   Fall 2025

TENTATIVE SCHEDULE - *Subject to Change*

	Week	**Day**	**Topic**	*Lock5 3rd Ed*	**Due**
Collecting Data	1	Mon	Welcome + Data	1.1	
		Wed	Sampling; Intro to R	1.2, 1.3	
		Fri	Experiments/Obs Studies	1.3	HW1
Descriptive Statistics	2	Mon	Categorical variables	2.1, 2.2	
		Wed	Quantitative Variables	2.3, 2.4	HW2
		Fri	2+ Variables; Correlation	2.4, 2.5	
Relationships & Exam 1	3	Mon	Linear Regression	2.6	
		Wed	Data Visualization; Review		HW3
		Fri	**Exam 1 -- EDA**		
Intro to Inference	4	Mon	Sampling Distributions	3.1	
		Wed	Confidence Intervals	3.2, 3.3	
		Fri	CI's continued	3.4	HW4
Hypothesis Testing	5	Mon	Hypothesis Testing	4.1	
		Wed	P-values, significance	4.2, 4.3	HW5
		Fri	Types of Errors	4.4	Proposal
		Mon	*Mid-term break; no class.*		
Exam 2	6	Wed	Hypothesis Testing Controversies; Review		HW6
		Fri	**Exam 2 -- Inference**		
Inference using Theory	7	Mon	Normal distribution	5.1, 5.2	
		Wed	Inference for one proportion	6.1	HW7
		Fri	Inference for one mean	6.2	
Multiple Parameters	8	Mon	Inference for differences	6.3-6.5	
		Wed	More than 2 proportions	7.1, 7.2	HW 8
		Fri	ANOVA	8.1	
Linear Models & Exam 3	9	Mon	Inference for regression	9.1	
		Wed	IJALM; Review		HW9
		Fri	**Exam 3 -- Theory-based inference**		
Wrap-up	10	Mon	Project work day		
		Wed	Mini mini-poster session		
		Fri	*No class; study period*		
			Final papers due @ noon		